AUTO NEG | AUTO CROSS | LINK PASS THRU | FAR END FAULT | AUTO LINK RESTORE | PAUSE

Ethernet or Fast Ethernet Twisted Pair to Fiber

E-TBT-FRL-Nxx-02(xx) & E-100BTX-FX-Nxx-02(xx)

PCI-Powered Copper to Fiber Media Converters

Features

Deliver low cost, fiber optic connectivity to the desktop with these full-featured PCI powered media converters, designed to install directly inside a workstation or file server and mount into any slot on a standard PCI. No configuration is required; making installation a breeze. Since power is drawn directly from the PCI slot, no additional power supply is needed, nor is there any CPU utilization.

- 2 sizes to accommodate both standard and low profile PCI slots
- AutoCross™
- Link Pass Through
- Easily installs inside PC or file server; no configuration required; no drivers to install
- Provides LEDs for easy network monitoring
- Saves space over traditional stand-alone converters while providing a more secure installation
- No need to replace existing NICs
- Draws power directly from PCI slot; no power supply needed
- Universal PCI Compliant, supports both 3.3V and 5V signaling environments

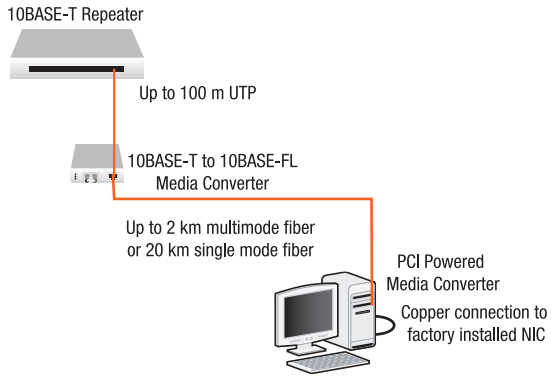
E-100BTX-FX-N-02(xx) & E-100BTX-FX-NLP-02(xx) only

- Auto-Negotiation
- Far-End-Fault
- Automatic Link Restoration
- Pause

Fiber-to-the-Desktop: Connect an existing 10BASE-T or 100BASE-TX PC, workstation or file server directly to a fiber optic backbone in either full or half-duplex by bringing the fiber directly to the device. Simply connect the twisted pair port to the existing twisted pair NIC to create a safe, effective, space-saving solution.

Extend Network Distance: Up to 2 km using multimode fiber or up to 2 km using single mode fiber.

Extended Network Distance



Specifications

Standards	IEEE Std. 802.3
Status LEDs **E-TBT-FRL-N-02(xx) & E-TBT-FRL-NLP-02(xx):** **E-100BTX-FX-N-02(xx) & E-100BTX-FX-NLP-02(xx):**	**Power**: Lit for normal operation **LKF**: Link Fiber **LKC**: Link Copper **RXF**: Receive Fiber **RXC**: Receive Copper **LED1**: Steady = Copper link **LED2**: Steady = Fiber link
Switches **E-TBT-FRL-N-02(xx) & E-TBT-FRL-NLP-02(xx):** **E-100BTX-FX-N-02(xx) & E-100BTX-FX-NLP-02(xx):**	**S1**: Switch to enable/disable LinK Pass Through **S1**: Auto-Negotiation On/Off **S2**: Pause On/Off **S3**: LPT On/Off **S4**: FEF On/Off
Dimensions **E-TBT-FRL-N-02(xx) & E-100BTX-FX-N-02(xx):** **E-TBT-FRL-NLP-02(xx) & E-100BTX-FX-NLP-02(xx):**	**Width**: 0.8" [19 mm] **Depth**: 4.8" [121 mm] **Height**: 4.8" [121 mm] **Width**: 0.8" [19 mm] **Depth**: 4.8" [121 mm] **Height**: 3.1" [79 mm]
Power Consumption **E-TBT-FRL-N-02(xx) & E-TBT-FRL-NLP-02(xx):** **E-100BTX-FX-N-02(xx) & E-100BTX-FX-NLP-02(xx):**	>450mA 600mA
Power Source	PCI edge connector
Environment	0°C – 50°C; 5% – 95% humidity non-condensing; 0 – 10,000 ft. altitude
Shipping Weight	1 lb. [0.45 kg]
Compliance	CISPR22/EN55022; EN55024; EN60950 Class A; FCC Class A; CE Mark
Warranty	Lifetime

Ordering Information

Standard Profile Cards

E-TBT-FRL-N-02(ST)
10BASE-T (RJ-45) **[100 m/328 ft.]**
to 10BASE-FL 850nm multimode (ST)
[2 km/1.2 mi.] Link Budget: 13.5 dB

E-TBT-FRL-N-02(SC)
10BASE-T (RJ-45) **[100 m/328 ft.]**
to 10BASE-FL 850nm multimode (SC)
[2 km/1.2 mi.] Link Budget: 13.5 dB

E-100BTX-FX-N-02
100BASE-TX (RJ-45) **[100 m/328 ft.]**
to 100BASE-FX 1300nm multimode (ST)
[2 km/1.2 mi.] Link Budget: 11.0 dB

E-100BTX-FX-N-02(SC)
100BASE-TX (RJ-45) **[100 m/328 ft.]**
to 100BASE-FX 1300nm multimode (SC)
[2 km/1.2 mi.] Link Budget: 11.0 dB

E-100BTX-FX-N-02(SM)
100BASE-TX (RJ-45) **[100 m/328 ft.]**
to 100BASE-FX 1310nm single mode (SC)
[20 km/12.4 mi.] Link Budget: 16.0 dB

Low Profile Cards

E-TBT-FRL-NLP-02(ST)
10BASE-T (RJ-45) **[100 m/328 ft.]**
to 10BASE-FL 850nm multimode (ST)
[2 km/1.2 mi.] Link Budget: 13.5 dB

E-TBT-FRL-NLP-02(SC)
10BASE-T (RJ-45) **[100 m/328 ft.]**
to 10BASE-FL 850nm multimode (SC)
[2 km/1.2 mi.] Link Budget: 13.5 dB

E-100BTX-FX-NLP-02
100BASE-TX (RJ-45) **[100 m/328 ft.]**
to 100BASE-FX 1300nm multimode (ST)
[2 km/1.2 mi.] Link Budget: 11.0 dB

E-100BTX-FX-NLP-02(SC)
100BASE-TX (RJ-45) **[100 m/328 ft.]**
to 100BASE-FX 1300nm multimode (SC)
[2 km/1.2 mi.] Link Budget: 11.0 dB

E-100BTX-FX-NLP-02(SM)
100BASE-TX (RJ-45) **[100 m/328 ft.]**
to 100BASE-FX 1310nm single mode (SC)
[20 km/12.4 mi.] Link Budget: 16.0 dB

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